FILE COPY
SURNAME:

200

Adams

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

MAR 13 1952

Hon. Carl Hayden
United States Senate
Washington 25, D. C.

My dear Senator Hayden:

This Administration is in receipt of a copy of Mr. Young's letter to you dated March 6, 1952, regarding the application of Mr. Leslie L. Barton of Safford, Arizona, docket number DMEA-2282.

Mr. Young asks that we advise you of the action taken in reference to Mr. Barton's application. There is enclosed a copy of a letter from the Executive Officer, DMEA Field Team, Region IV, informing Mr. Barton that his application for exploration assistance was denied.

Sincerely yours,

C. O. Mittendorf (for) 3/13

Acting Administrator
Defense Minerals Exploration
Administration

Enclosure

READAMS/meb
3-12-52
cc to: Adm.Reading File
Mails & Files Br.
H. I. Young, DMPA

GSA FORM 14
1-25-50

GENERAL SERVICES ADMINISTRATION

# ROUTING SLIP

| TO NAME | BUILDING, ROOM NUMBER, ETC. |
|---|---|
| 1. C. O. Mittendorf | DMEA |
| 2. | |
| 3. In Region | IV |
| 4. | |
| 5. | |

FOR

- [ ] APPROVAL
- [ ] AS REQUESTED
- [ ] CORRECTION
- [ ] FILING
- [ ] FULL REPORT
- [ ] HANDLE DIRECTLY
- [ ] PREPARE REPLY FOR SIGNATURE OF: _____
- [ ] IMMEDIATE ACTION
- [ ] INITIALS
- [ ] NECESSARY ACTION
- [ ] NOTE AND RETURN
- [ ] READ AND DESTROY
- [ ] _____
- [ ] RECOMMENDATION
- [ ] SEE ME
- [ ] SIGNATURE
- [ ] YOUR COMMENT
- [ ] YOUR INFORMATION
- [ ] _____

ANSWER OR ACKNOWLEDGE BEFORE _____

FROM Howard I. Young

DATE 3/4/52

REMARKS

Could you inform Senator Hayden as to the action taken with reference to DMEA 2282 as soon as the report is in from the field? Mr. Feiss checked with Frank Johnson on February 29 and was informed that Mr. Barton's exploration project has probably been rejected. We have no definite information on this matter and it is probable that Senator Hayden should be informed directly from your office as the project is under your jurisdiction.

DEFENSE MATERIALS PROCUREMENT AGENCY
WASHINGTON 25, D. C.

MAR 6 - 1952

Honorable Carl Hayden
United States Senate
Washington 25, D. C.

Dear Senator Hayden:

Reference is made to your brief letter of February 25 regarding the application of Mr. Leslie L. Barton of Safford, Arizona. We have checked with the Defense Minerals Exploration Agency in the Department of the Interior and they have informed us that the field team of the Geological Survey and Bureau of Mines has now examined the property and that within a short time there should be a report available on their conclusions.

In view of the fact that this application is handled by the DMEA, we are requesting that they inform you directly as to the results of the examination. For your information, the docket number is DMEA 2282, not MPA 2211. It is our understanding that this is a tungsten project.

Sincerely yours,

Howard I. Young
Deputy Administrator

Copy to: C. O. Mittendorf, DMEA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 7 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

February 29, 1952

Memorandum

To: Administrator, Defense Minerals Exploration Administration, Attention: 210

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 2282, L. L. Barton's Tungsten Prospect, Mount Graham Mining District, Graham County, Arizona

Enclosed are the original and one copy of DMA Form 3b, a copy of the letter of denial to the applicant, and the Final Report pertaining to Leslie LaRue Barton's Tungsten prospect, Mount Graham Mining District, Graham County, Arizona.

J. H. East, Jr.

A. H. Koschmann

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 7 1952

UNITED STATES
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DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

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Denver 2, Colorado

February 29, 1952

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J. H. East, Jr.

A. H. Koschmann

Enclosures

Mining Division
Region IV

February 29, 1952

Memorandum

To: DMEA Field Team, Region IV

From: Acting Chief, Mining Division, Region IV

Subject: Final Report, DMEA 2282, Leslie La Rue Barton's Tungsten Prospect, Mount Graham Mining District, Graham County, Arizona

Enclosed herewith are the original and seven copies of the section on Summary, Conclusions and Recommendations by the Geological Survey and Bureau of Mines. Also find enclosed the original and seven copies of the Engineering Report by the Bureau of Mines. These pertain to the application by L. L. Barton for Government aid in exploration work on his tungsten prospect in the Mount Graham Mining District, Graham County, Arizona. The project was estimated to cost $10,000.

We concur with the examining engineer that the application be denied.

W. H. King
W. H. King

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 7 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

February 29, 1952

Mr. Leslie LaRue Barton
805 South Court Street
Stafford, Arizona

Dear Mr. Barton:

Your application for Government aid in an exploration project on your tungsten prospect, Graham Mountain Mining District, Graham County, Arizona, has received our careful consideration.

Projects approved by the Defense Minerals Exploration Administration must show promise of producing material of sufficient value and quantity to improve the mineral supply for National Defense.

A careful study of the geologic data and analyses of samples taken by the examining team reveal that the probability of making a significant discovery is not sufficiently promising to justify Government assistance. Therefore, we regret to inform you that your application is denied.

We wish to thank you for bringing this property to our attention.

Very truly yours,

J. H. East, Jr.

J. H. East, Jr.
Field Team, Region IV

cc: Administrator, DMEA,
Washington, D.C.

A. H. Koschmann

A. H. Koschmann
Field Team, Region IV

January 25, 1952

Memorandum

To : Wm. H. King, Denver, Colorado

From : Chief, Arizona-New Mexico Branch

Subject : Final Report, DMA Docket 2282, Leslie LaRue Barton's Tungsten Prospect, Mount Graham Mining District, Graham County, Ariz.

Enclosed are the original and 7 copies of the section on Summary, Conclusions and Recommendations by C. A. Kumke and B. C. Brown of the Bureau of Mines and J. MacKallor of the Geological Survey; also the section on Engineering by Kumke and Brown. A separate section on Geology will be submitted by the Geological Survey.

This report has my approval.

Brochure is enclosed.

Walter R. Storms

CC: W. H. King (7)
C. A. Anderson
DMA-2282
DF

WRStorms:als

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

# DMA-2282, Leslie LaRue Barton's Tungsten Prospect

## Mount Graham Mining District

## Graham County, Arizona

C. A. Kumke, Mining Engineer
and
B. C. Brown, Mining Engineer

J. MacKallor, Geologist
U. S. Geological Survey

January 1952

## SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By Chas. A. Kumke[1], Brinton C. Brown[1], and J. MacKallor[2]

The Coordinating Committee, Defense Minerals Exploration Adminstration requested that the Field Team, Region IV, examine the Leslie LaRue Barton Tungsten prospect, and request the applicant to submit a concrete proposal for the expenditure of the requested $10,000 exploration loan. Barton had applied for a $10,000 exploration loan under the Defense Production Act of 1950. The writers visited the property January 7, 1952.

Four recently located contiguous lode claims comprise Barton's property. They are situated in the Mount Graham Mining District, Graham County, Ariz.

There has been no past production from the Leslie LaRue Barton property. Applicant stated that he made the original location of these claims as recently as October 1951. The location work, a side-hill open cut, has been completed on only one claim. A similar cut has been started on another claim. This work was being done by applicant, but was stopped on advice of his doctor. Barton is partially disabled, due to an old hip injury, and during the past year has undergone an operation from which he claims he has not completely recovered.

Furthermore, applicant claims he was financially unable to continue his location work. He submitted as his proposal, that a portion of the

---

1/ Mining Engineer, U. S. Bureau of Mines
2/ Geologist, U. S. Geological Survey

proposed loan be used to complete the location work on the remaining claims. The balance of the loan was to be used to run a drift on whichever of the four location cuts that uncovered the best indications.

The claims are situated in a large area of schist and granite. No mineralized veins were found by the examining engineers. No indication of the presence of tungsten or of other strategic minerals such as copper, lead, zinc, manganese etc., was found at any of the locations pointed out by the applicant. These locations however were sampled. The results of these sample examinations are shown in Table 1.

There seems little chance of encountering minable tungsten ore anywhere on the property, even if the entire amount of the proposed loan be spent in exploration.

Denial of this application is recommended by the examining team.

# LESLIE LARUE BARTON'S TUNGSTEN PROSPECT
# MOUNT GRAHAM MINING DISTRICT
# GRAHAM COUNTY, ARIZONA

DMA-2292
E

Engineering Report

By C. A. Kumke
Mining Engineer
U. S. Bureau of Mines

B. C. Brown
Mining Engineer
U. S. Bureau of Mines

January 1952

# LESLIE LARUE BARTON'S TUNGSTEN PROSPECT
# MOUNT GRAHAM MINING DISTRICT
# GRAHAM COUNTY, ARIZONA
# DMA-2282

E

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## INTRODUCTION

The Defense Minerals Exploration Administration requested that the Field Team, Region IV, examine the Leslie LaRue Barton Tungsten prospect and request the applicant to submit a concrete proposal for the expenditure of the requested $10,000 exploration loan. The writers visited the property January 7, 1952. They were accompanied by the owner, L. L. Barton, who stated that he had made the original location of his claims in October 1951 and that he had personally completed the location work on only one claim. He was working on the second claim when he was stopped on advice of his doctor. He was physically unable to continue with this work and was unable financially to carry on. He submitted, as his proposal, that a portion of the proposed loan be used to complete the necessary location work on the remaining claims. The balance of the loan then was to be used to run a drift on whichever of the four location cuts that uncovered the best indications.

## ACKNOWLEDGMENTS

Acknowledgment is made to the owner, Leslie LaRue Barton, who was very helpful in conducting the examining engineers over the property. Acknowledgment also is made to LaMar G. Evans of the Southwest Experiment Station of the Bureau of Mines for the microscopic and spectroscopic examinations of the examiner's samples.

## LOCATION AND ACCESSIBILITY

The property is approximately 15 miles southwest of Safford, Ariz., in Graham County (fig. 1). It is situated in sections 28 and 33, T. 8

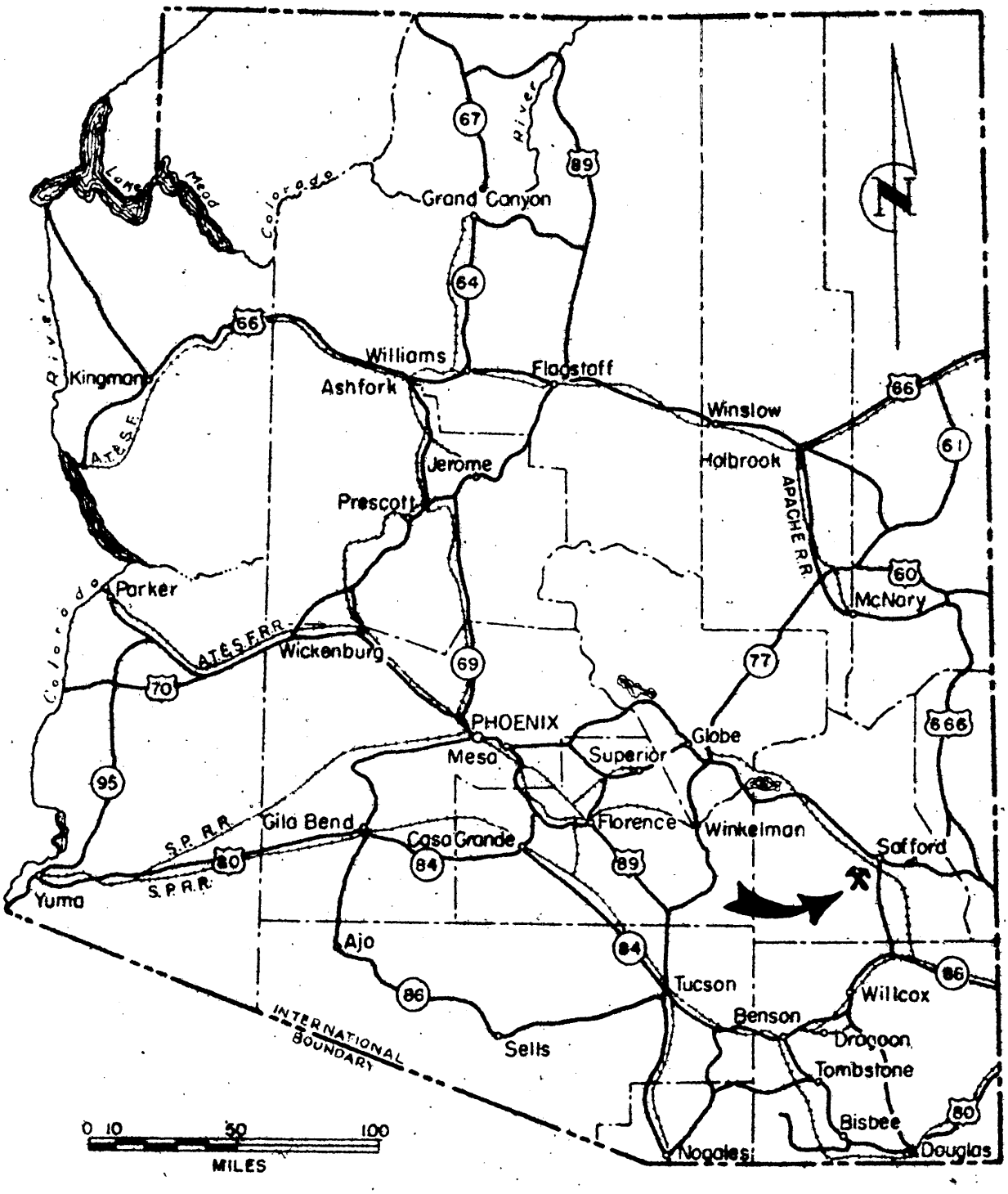


Figure 1 - Location map, L. L. Barton Tungsten Prospect, D. M. E. A. 2282

S., R. 25 E., in the low foothills on the eastern slope of the Graham mountains. Locally this area is referred to as the Mount Graham mining district.

Safford is the nearest city. The property is reached from that town by driving south 8 miles on paved U. S. Highway 666 to the Swift Trail turn-off, thence westerly for 3.5 miles over a partly oiled, partly gravelled road, and thence to the right, 3.7 miles over a narrow, winding dirt road to the Barton claims.

## OWNERSHIP AND EXTENT

The property, comprising 4 unpatented claims, is owned by Leslie LaRue Barton, 805 South Court Street, Safford, Ariz. Barton stated that he located these claims in October 1951.

Applicant also claims he is financially unable to continue his location work. He was forced to sell his only mining equipment - a wheel barrow, a pick and 2 shovels. He has no associates in this venture.

The four claims are the Ethel B Nos. 1, 2, 3, and 4. No location notices have been filed with the County Recorder, according to Barton.

## DESCRIPTION OF DEPOSIT

Schist and granite are the main rocks of this area. The schist formation traverses the area in a northeasterly-southwesterly direction. There are two prominent porphyry dikes cutting through the schist formation. There are no apparent mineral values in these dikes. In covering the claims, the examining engineers were unable to locate any

mineral veins. Nowhere were they able to find any indication of the presence of tungsten or of any other strategic mineral, such as copper, lead, zinc or manganese. In the surrounding area there is not the slightest evidence of former mining activity. No surface workings, mine openings, nor old claim monuments were observed.

In the southern end of the property there is a considerable exposure of granite. On the contact of the schist and granite a small amount of garnet was present.

## ORE RESERVES

From the above description of the deposit, it is evident that no ore reserves can be recorded. A few samples were taken and the results are shown in Table 1. It is evident from these results that there is no reason to believe there is any tungsten ore on the claims.

Table 1

| Sample No. | Location | Width | Results of microscopic and spectroscopic examination 1/ 2/ |
|---|---|---|---|
| 14588 | Discover cut, Ethel B No. 3 claim. | 5 ft. | Chlorite, quartz, feldspars, magnetite, muscovite, hornblende, garnet, epidote, ilmenite and zircon. No $WO_3$ or any other strategic mineral |
| 14589 | Selected "highgrade" taken from cut on Ethel B No. 3 claim | grab | Same as above with more garnet. Spectroscopic tests show garnet is the manganese variety, spessartite. No $WO_3$ or any other strategic mineral |
| 14590 | Discovery cut, Ethel B No. 1 claim | 9 ft. | Chiefly hornblende with minor amounts of quartz, feldspars, chlorite, muscovite, magnetite, garnet, epidote, ilmenite, and zircon. No $WO_3$ or any other strategic mineral |

1/ All samples are classified as altered chlorite schists.
2/ Minerals in order of their abundance.

Table 1 (Continued)

| Sample No. | Location | Width | Results of microscopic and spectroscopic examination |
|---|---|---|---|
| 14591 | Discovery cut, Ethel B No. 2 claim | 5 ft. | Biotite adhering to Chlorite, quartz, feldspars, epidote, muscovite, magnetite, garnet, zircon, ilmenite.<br>No $WO_3$ or any other strategic mineral. |

## PRESENT STATUS

At the present time the property is idle. The owner is physically and financially unable to continue this work.

## PROPOSED FINANCING

Applicant was very emphatic that he was unable to finance any work on his four claims.

After locating these claims in October 1951, applicant, on October 11, mailed an application for $10,000 loan to the Defense Minerals Exploration Administration. He also purchased a wheelbarrow, a pick and two shovels. He personally began doing the location work on the claims, but stopped working on advice of his doctor. He sold the wheelbarrow, pick and shovels and no work has since been done on the property.

## CONCLUSIONS

Leslie LaRue Barton is the sole owner of the property. There are no partners or associates, and no company has been formed. Barton states he located the claims in October 1951 but he has failed to file his location notices. He completed location work on only one of the claims, then stopped all work and sold his mining equipment, a wheelbarrow, a pick and two shovels.

The examining engineers were unable to find any mineralized veins or any indications of the presence of tungsten ores on the claims. No old prospect holes, surface cuts, or mine openings were found where sampling would be in order. The small amount of location work completed failed to expose the presence of tungsten ore or any other strategic mineral. Several samples were taken at the location cuts. These samples failed to show the presence of tungsten ore.

## RECOMMENDATIONS

It is recommended that the loan be denied.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

# APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

*Not To Be Filled in by Applicant*

Docket No. DMEA-2282
Metal or Mineral
Date Received 12-12-51
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 12 1951

Leslie LaRue Barton
1805 South Court Street
Safford, Arizona

Name and address of applicant

Date December 10, 1951

If you have already filed MF-100, give date filed 10/23/51, type of assistance requested $10,000.00 loan for ~~exploration,~~ which includes development.

DMA Docket Number (if available) None

## INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. None

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application. Strictly lode location.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.
   Township 8 S., Sec. 28 & 33, Range 25 E. Graham County, Arizona

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract. None

2. (*a*) What metals or minerals do you expect to find? Already found tungsten and gold and low grade aluminum.

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

Tungsten lays in a shist formation, and is a very large upheaval and will naturally be of a low grade type; this being the case and there being unlimited tonnage, I see no reason why this ore body should not pay off in tungsten; as to [illegible]nage, there is no question. Up to the present time, there are no maps show[illegible] this district that I know of now. I have no geologic or engineering re[illegible] or assay maps. Consequently, I cannot send this information to you.

16-64067-2

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

## CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

None
(Name of company)

By Leslie LaRue Barton
(Signature of authorized official)

December 10, 1951
(Date)

Owner
(Title)

**Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.**

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

3. (a) Work and developing this ore-body is all tunnel work. Due to the increase of cost of things in a general way, it will cost about $12.00 per foot to do this type of drifting, including all incidentals necessary to drift, powder, timber, etc.

3.(b) The project is already started; one assessment finished, 3 more under way, and 3 more claims to be located in the next few days, as soon as the weather will permit.

4. The tunnels that I am running, some are crossing shist formation and some are running with the formation where conditions look the best to find the high grade ore. On the one assessment that is finished, I have found some wolfenite which to my understanding is the highest grade of tungsten there is to be mined in the raw.

5. None. No existing improvements on said property whatsoever.

6. I have temporary quarters for myself only, at the present time, which is a tent and batching equipment.

7. Singlejack, and handsteel, muck stick, wheelbarrow, tapping stick, caps and fuse and powder.

7. (a) None

(b) Items given in No. 7

(c) Everything has been furnished by me and paid for by me up to date.

8. I am the sole employee of this undertaking up to the present time.

9. Powder is 30¢ a pound, Fuse $2.00 per hundred feet, Caps 5¢ each. Assaying Tungsten $4.00 per assay; Gold $1.25

10. (a) My full time plus my grubstake.

(b) I would say that my time and my grubstake would represent the 25% required by me so long as there is no one else employed but me. Should this loan be granted, however, I will put one or two more men to work.

11. I wish to state that this being a new discovery, and from the past experience I have had, which dates back to 1903, commencing in Cripple Creek, Colorado, and I have been active in the mining business from that time until the present time with some of the largest companies there are in the State of Arizona. For reference as to my experience and jobs held, you can refer to Lewis Douglas; H. DeWitt Smith in New York City, who used to be mine superintendent of the United Verde Copper Company, Jerome, Arizona. I also worked for the Arizona Binghamton Copper Company, Stoddard, Arizona, which was promoted the last time by Senator Reynolds of New York. I was in the operation department of each company as shift boss and general mine foreman.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

# GENERAL TECHNICAL DATA
# FOR USE UNDER THE
# DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2282

Date received 12-18-51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 12 1951

Leslie LaRue Barton
805 South Court Street
Safford, Arizona

Name and address of applicant

Date December 10, 1951

## INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

## GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Tungsten
   (*b*) What are the byproducts, if any? not known
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following Lode location, assessment work being done.
   (*a*) Linear feet of shafts. none
   (*b*) Linear feet of drifts and crosscuts. 10 ft. drifts
   (*c*) Linear feet of tunnels or adits. 10 ft.
   (*d*) Linear feet of other mine openings (explain briefly). none

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. none
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 20 mi. southwest of Safford, Ariz.
   (*b*) Mining district. Graham Mountain
   (*c*) Township, Section, Range. Township 8 S., Sec. 28 & 33, Range 25 E.
   (*d*) County, State. Graham County, Arizona
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Prospecting stage.
   (*b*) Are you operating this property as:
   - [x] Owner.
   - [ ] Lessee.
   - [ ] Contractor.
5. Number of years in production none

   If not in production or operation, estimated date when production will begin as soon as physically possible.
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. Leslie LaRue Barton, owner, has had 25 yrs. experience underground.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. none
   (*b*) State briefly the known history and production of adjoining and neighboring properties. none
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. none

16—63792-2

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

| Name and Address (a) | Official Title (If officer is also director indicate by "D") (b) | Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c) | Estimated Net Worth Outside of Interest in Applicant (d) | Number of Shares Held in Applicant Corporation | | Life Insurance Carried for Benefit of Applicant | |
|---|---|---|---|---|---|---|---|
| | | | | Common (e) | Preferred (f) | Amount (g) | Net Cash Surrender Value After Loans (h) |
| There are no stockholders, no company has been formed. | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | Total | | x x x x x | | | x x x x x | x x x x x |

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

**For Corporate Applicants**

| Item | Authorized (a) | Outstanding (b) | Par Value (c) | Number of Shares Outstanding (d) | Dividend Rate Last Paid* (e) |
|---|---|---|---|---|---|
| Common stock | $ | $ | $ | | |
| Preferred stock | $ | $ | $ | | |

*Indicate period covered.

10. Production:

| Item | Kind of Product (a) | 1948 Total (b) | 1949 Total (c) | 1950 Total (d) | Present Average Monthly (e) |
|---|---|---|---|---|---|
| 1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.) | No production has been started. | | | | |
| 2. Quantity of product processed (specify unit of measure and type of process) | NONE | | | | |
| 3. Quantity and grade of product sold or shipped (specify units of measure) | Have had two samples assaying WO 3. | | | | |

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. None

12. Ore or Mineral Reserves: unlimited

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. It is tungsten laying in a shist formation, and has come out from underneath the Graham Mountains on East Slope.

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(*b*) If deposit is other than placer: Deposit is in place.

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve. At this time, do not have that information

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows: It is milling ore, low grade, but have found some high grade tungsten.

TOTAL ORE OR MINERAL RESERVES

| Ore or Mineral Reserve | Estimated Tons (a) | Metal or Mineral Content Per Ton (Grade) (b) | Gross Value Per Ton (c) | Recoverable Unit Value Per Ton (d) | Estimated Cost of Production Per Ton (e) |
|---|---|---|---|---|---|
| Measured (proved) | Do not know at this time | | | | |
| Indicated (probable) | Very large ore-body. | | | | |

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit. no

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each. none

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion. none

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough. None

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount. At one place there is an overburden which occurs on a ridge.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves. Do not have any information along these lines at this time.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads. Good road leading to ore-body. About 20 miles.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year. Sufficient for camp purposes, but for a large mill, water would have to be developed.

15. Power:

State amount of power used, rate per hour, and source thereof. none

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period. Owner has done all work up to present time.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation. Hand tools only.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain. Need capital as I am just a poor man.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

No Company formed yet
(Name of company)

By Leslie LaRue Barton
(Signature of authorized official)

12/10/51
(Date)

Owner
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

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